

Using Student Achievement Data to Support Instructional Decision Making

Professional Development Lesson

Cycle of Improvement

Classroom Connections are items or activities that can be immediately implemented in classrooms and are noted by CC*

Materials Needed	Pencils, small, grade level groups, markers, chart paper		
<i>Step</i>	<i>Description</i>	<i>Time</i>	<i>Target Audience (All, Educational leaders, teachers)</i>
Introduction	Use (slides # 1-5)		All
View: Video: Multimedia Overview: Making Data Part of an Ongoing Cycle of Instructional Improvement.	(Slide # 6) Use this multimedia overview to learn about the 5 recommended practice to support the use of data to improve student achievement,	7:57 min.	All
Share	(Slide # 7,8) What are the key concepts of using data to improve instruction?	2-3 min.	All
View: Expert Interview Prepare, Inquire, Act	(Slide # 9)Use this video interview to show the cycle of improvement recommended by Dr. Liz City	7:34 min.	All
View and Compare	(Slide # 9) Show Video: Then compare the key ideas in the video to the Collaborative Teams document - Use the (Handout #1) Collaborative Teams document if desired	4-5 min.	All
Video: Expert Video, What Do You See in the Data?	(Slide #10) Listen to Dr. City talk about effective methods of using of data and ways to build capacity in data interpretation and designing instruction based on the data	6:31 min.	All

Practice	Review (Slides # 11-13) to set context for practice generating questions and testing our hypotheses Important: Select mock data to be used. Important to select relevant data used by district or school	20 min.	All
Audio 2 clips: 1.Supporting Use of Data During Teacher Collaboration Time video 2. Intervening Early Using Data From Multiple Assessments	(Slide #14-15) After viewing the two videos, discuss how they use multiple pieces of data in the cycle of improvement to support students needs. Discuss.	11 min.	All
Compare	(Slides #16,17) Use (Handout # 2) Discuss multiple assessments shared during the videos compared to the Montana RtI Assessment framework Jigsaw activity	15 min.	All
Application	(Slide #18) (Handout # 3) Use the Self Assessment Checklist to examine strengths and weaknesses of current assessment system and ability to use data to improve student achievement	20 min.	All
<u>Student Use of Data</u>			
Materials Needed	Pencils, small groups, markers, chart paper		
<i>Step</i>	<i>Description</i>	<i>Time</i>	<i>Target Audience (All, Educational leaders, teachers)</i>
Introduction	Slide # 19	1-2 min	All

Introduce	(Slide #20) Introduce the Key concepts from the Student Use of Data recommendation	1-2	All
View: Multi Media Overview Teaching Students to Examine Their Own Data	(Slide # 21) View video to learn about ways teachers can engage students in using their own data	6:19 min	Teachers
Share	(Slide # 22) Think –Pair-Share how they can incorporate student use of data in their current role	4-5 min	Teachers
View: Expert Interview, Helping Students Gain Ownership Over Their Learning	(Slide #23) Listen for examples of ways to provide feedback to students when using their own data	4:54 min	Teachers
Discuss	(Slide #24) Small Group discussion- Discuss the two questions on Slide	5 min	Teachers
Application	(Slide #25) Use Handout # 4) Complete teacher self assessment individually and then do a Think Pair Share with a partner on strengths and areas to improve	10 min	Teacher
View: Data Boards Help Students Set Learning Goals Part I	(Slide #26) Watch for ideas that could be implemented in your school	4:38	Educational Leaders
Discuss	(Slide #27) How could these ideas be implemented in your school? Chart small group answers	10 min	Educational Leaders
View: Data Boards Help Students Set Learning Goals Part II	(Slide # 28) Examine how teachers can use the data board for student reflection and goal setting	4:54	Teachers
Discuss	(Slides #29, 30) Use (Handout # 5) Examine the student reflection sheets and discuss how they could be used in your school?	10 min	All
View: Go Back and Reflect	Slide #30- View video	4:11	All

Discuss	Slide #31, Discuss ideas on the slide. Review Data Analysis Notebook use CC*	5 min	All
<u>Vision For Data Use</u>			
Materials	Chart paper, Markers, small groups, chart paper		
<i>Step</i>	<i>Description</i>	<i>Time</i>	<i>Target Audience (All, Educational leaders, teachers)</i>
Introduction	Slide #32	1-2 min	Educational Leaders
Discuss	(Slide # 33) Share key concepts for the Vision Recommendation	1-2 min	Educational Leaders
View Expert Interview: Collaborative Structures for Data Use	(Slide #34) View video and listen for what portions of establishing a clear vision are present in your school.	5:44	Educational Leaders
Discuss	(Slide #35) Think-Share what portions of establishing a clear vision are in place in your school? Chart answers on table group chart paper	10 min	Educational Leaders
View Video: Earning Trust	(Slide # 36) Listen to a principal talk about the culture of trust that needs to be established	2:26	Educational Leaders
Discuss	(Slide # 37) Whole Group discussion	10 min	Educational Leaders
View	(Slide # 38) Use the video <i>Carrying Out the Vision</i>	2:41 min	Educational Leaders
Discuss	(Slide #39) Inside Outside Circle	29 min	Educational Leaders
Application	(Slide # 40) Use (Handout # 6) Small groups complete the chart from Learning Together. Information on chart is	15 minutes	Educational Leaders

	collected and put into one document for consideration by staff and leadership at a later meeting		
<u>Data Driven Culture</u>			
Materials	Pencils, small groups		
Steps	Description	Time	<i>Target Audience (All, Educational leaders, teachers)</i>
Introduction	(Slide #41)	1-2 min	Educational Leaders
Discuss	(Slide # 42) Key Concepts	1-2 min	Educational Leaders
View Video: <i>Multimedia Overview: Fostering a Data-Driven Culture Within a School</i>	(Slide # 43) Listen to the overview to learn how schools can provide support for developing a data driven culture	5.55 min	Educational Leaders
Discuss	(Slide # 44) Read and discuss (Handout #7)Providing Support for Teachers on the Montana Rtl website- jigsaw activity	21 min	Educational Leaders
View Video: <i>Expert Interview Supporting a Culture of Data Use</i>	(Slide #45) Listen to an expert talk about critical decisions and principles that can help support teachers in using data effectively	3:47	Educational Leaders
Discuss	(Slide # 46) Using the chart on slide, complete activity on supports currently in place and supports needed in the school	15 min	Educational Leaders
View Video: <i>Visualizing Data in the Progress Pad</i>	(Slide # 47) Show video and then do Think Pair Share	9 min.	Educational Leaders
Discuss	(Slide # 48) Using (Handout # 8) Section A of	10 min	Educational Leaders

	the Comprehensive Planning Tool: complete individually and then discuss at table groups/can be cross grade level or grade level groups		
Discuss	(Slide # 49) Now it's time to see what kind of professional development is needed to continue to improve in our (Handout #9) Use of Data. Examine professional development tool in small groups. Collect feedback and recording on sheets for later discussion and decision making	15 minutes	Educational Leaders
<u>Districtwide Data System</u>			
Materials	Markers, chart paper		
Steps	Description	Time	<i>Target Audience (All, Educational leaders, teachers)</i>
Introduction	(Slide # 50)	1-2 min	Educational Leaders
Discuss	(Slide # 51) Key Concepts	1-2 min	Educational Leaders
View Multimedia Overview: <i>Developing and Maintaining a Districtwide Data System</i>	(Slide # 52) Show video	5:28 min	Educational Leaders
View: Expert Interview <i>What Makes a High-Quality Districtwide Data System?</i>	(Slide # 53) Show video	5:31 min	Educational Leaders
Discuss	(Slide # 54) Use the (Handout #10) <i>Districtwide Data System</i>	10 min	Educational Leaders

	<i>Implementation and Staging Questions</i> document to foster conversation. Select one or two areas that are most pertinent to the district you are working with		
Listen to Audio: District Supports for Data Use	(Slide # 55) Listen to the audio to consider how a district can support data driven systems	3:35 min	Educational Leaders
Activity	(Slide # 56) Use the Data Collection Planner, Using an Existing Data System to discuss current needs of the staff	25 min	Educational Leaders